Amendments to the Claims

This listing of claims will replace all prior versions, and listing, of claims in the application:

LISTING OF CLAIMS:

1. (Original) A method for measuring a rotational speed of a pulse activated electric motor, comprising:

fully activating the pulse activated electric motor for a defined measuring time by a circuit element provided for pulsing at a time interval to be determined; and

during the time interval, measuring a frequency of current ripples, the frequency being proportional to the rotational speed.

2. (Original) The method as recited in Claim 1, further comprising:

measuring a current proportional voltage; and

converting the measured current proportional voltage to a square wave voltage after filtering out a DC component.

3. (Original) The method as recited in Claim 2, further comprising:

determining intervals between one of rising edges and falling edges of square wave voltage pulses in order to determine a frequency of the square wave voltage.

4. (Original) The method as recited in Claim 2, further comprising:

determining intervals between time midpoints of square wave voltage pulses in order to determine a frequency of the square wave voltage.

5. (Original) The method as recited in Claim 1, wherein:

at least one of time intervals and measuring times are kept variable as a function of at least one of a supply voltage, a temperature, and load torque.

6. (Currently Amended) A device for measuring a rotational speed of a pulse activated electric motor,

comprising:

a circuit element;

a current proportional voltage measuring device connected to ~~located on~~ the circuit element;

an amplifier connected to ~~located on~~ a side of the circuit element;

a plurality of filters connected to ~~located on~~ the side of the circuit element; and

an evaluation unit for determining a frequency of current ripples of a current flowing in a measured phase in which the pulse activated electric motor is fully activated.

7. (Original) The device as recited in Claim 6, wherein:

the evaluation unit includes a comparator for converting an AC component of a current proportional voltage into square wave voltage pulses.

8. (New) A method for measuring a rotational speed of a pulse activated electric motor, comprising:

fully activating the pulse activated motor for a defined measuring time; and

during the defined measuring time and while the pulse activated electric motor is fully activated, measuring a frequency of current ripples, the frequency being proportional to the rotational speed.